**“Cisco Python Certification”**

**Assignment # 5**

**Q1:** Write a Python function to calculate the factorial of a number (a non-negative integer). The Function accepts the number as an argument.

**Q2:** Write a Python function that accepts a string and calculate a string and calculate the number of upper-case letters and lower case letters.

**Q3:** Write a Python function to print the even number from a given list.

**Q4:** Write a Python function that checks whether a passed string is palindrome or not.

**NOTE:** A Palindrome is a word phrase, or sequence that reads the same backward as forward e.g. madam.

**Q5:** Write a Python function that takes a number as a parameter and check the number is prime or not.

**Q6:** Suppose a customer is shopping in a market and you need to print all the items which user bought from market.

Write a function which accepts the multiple arguments of user shopping list and print all the items which user bought from market.